	Area Weightage @ 6%	7.80							
	Total	137.80							
3	Providing **granite slabs** of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete -do- 7.5 cms thick Page No. 27/ Item No. 5.31.1/ PWD SR 2018-19 (size: 3x0.55)	Sqm							
	Shanuboghanagara								
	Port House Appt Road		2	150.00	1.65		495.00		
	parlel Road		2	140.00	1.65		462.00		
	Opp to Kalpataru Appt		2	60.00	1.65		198.00		
	Tata nagar, 8th A Cross		2	25.00	1.65		82.50		
	Lottegollahalli 2nd Cross Near Rainbow School		1	70.00	1.65		115.50		
	Bhadrappa layout 2nd Cross maruthinagara		2	45.00	1.65		148.50		
							1501.50	**837.40**	**1257356.00**
	Basic Rate	700.00							
	Area Weightage @ 6%	42.00							
	Load unloading 15km lead & lift	95.40							
	Total	837.40							
4	KSRB-4-1.3 : Providing and laying in position plain **cement concrete** of mix M 1:4:8 with OPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 13/ Item No. 4.3/ PWD SR 2018-19	Cum							
	Bhadrappa layout								
	Tata nagar, 8th A Cross		1	25.00	5.00	0.15	19.18		
	Lottegollahalli 2nd Cross Near Rainbow School		1	70.00	4.00	0.15	42.95		
							62.13	**5408.12**	**336012.00**
	Basic Rate	5102.00							
	Area Weightage @ 6%	306.12							
	Total	5408.12							
5	Constructing un-reienforced palne **cemetn conctere** for pavements using rate concrete M30 Over a prepared base with OPC course aggregate at 0.69cum fine aggregates at 0.64cum course anf fine aggregate confirming to IS:383:2016 with super plasticizers at 3mte of its confirming IS:9103-2008. Item no22.6 page no-175	Cum							
	Tata nagar, 8th A Cross		1	25.00	5.00	0.10	12.50		
	Lottegollahalli 2nd Cross Near Rainbow School		1	70.00	4.00	0.10	28.00		
							40.50	**5210.96**	**211044.00**
	Basic Rate	4916.00							

	Area Weightage @ 6%	294.96							
	Total	5210.96							
6	KSRRB M2600-3: (ii) Providing & fixing 20 mm thick compressible fibre board in **expansion joint** complete as per drawing & technical specification complete as per specifications, MORTH specification No. 2605, No. 233/ Item No. 31.3 PWD SR 2018-19	M							
	Tata nagar, 8th A Cross		8	5.00			40.00		
	Lottegollahalli 2nd Cross Near Rainbow School		23	4.00			92.00		
							132.00	**126.14**	**16650.00**
	Basic Rate	119.00							
	Area Weightage @ 6%	7.14							
	Total	126.14							
7	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift No. 171/ Item No. 22.7/ PWD SR 2018-19	Sqm							
	Tata nagar, 8th A Cross		1	25.00	5.00		125.00		
	Lottegollahalli 2nd Cross Near Rainbow School		1	70.00	4.00		280.00		
							405.00	**72.08**	**29192.00**
	Basic Rate	68.00							
	Area Weightage @ 6%	4.08							
	Total	72.08							
8	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406,P No. 155/ Item No. 20.18/ PWD SR 2018-19	Cum							
	For Road Cutting Protion								
	Shanubogha Narayannappa Layout								
	Port House Appt Road		20	2.00	1.50	0.23	13.80		
	parlel Road		18	2.50	1.00	0.23	10.35		
	Opp to Kalpataru Appt		9	1.50	1.00	0.23	3.11		
	Balaji Layout 4th Cross		23	2.00	1.00	0.23	10.58		
	Munishamappa layout 4th Cross		8	2.00	1.00	0.23	3.68		
							41.52	**2001.28**	**83083.00**
	Basic Rate	1888.00							
	Area Weightage @ 6%	113.28							
	Total	2001.28							

9	KSRRB 500-4: providing and applying **primer coat** from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specificationsDo- Medium Porosity MORTH chapter 5, No. 158/ Item No. 21.6/ PWD SR 2018-19	Sqm							
	Shanubogha Narayannappa Layout								
	Port House Appt Road		20	2.00	1.50		60.00		
	parlel Road		18	2.50	1.00		45.00		
	Opp to Kalpataru Appt		9	1.50	1.00		13.50		
	Balaji Layout 4th Cross		23	2.00	1.00		46.00		
	Munishamappa layout 4th Cross		8	2.00	1.00		16.00		
							180.50	**36.04**	**6505.00**
	Basic Rate	34.00							
	Area Weightage @ 6%	2.04							
	Total	36.04							
10	KSRRB M500-10. Tack Coat:- Providing and applying **tack coat** using 80/100 grade bitumen (VG 10) in boiler fitted with spray set distributor at the rate of 0.20 kg per sqm on the existing prepared bituminous surface cleaned with mechancial broom. complete as per specifications. MORTH Specification No. 503 (P-159, Item.no 21.10).								
	Shanubogha Narayannappa Layout								
	Port House Appt Road		1	150.00	6.00		900.00		
	parlel Road		1	140.00	6.00		840.00		
	Opp to Kalpataru Appt		1	60.00	6.00		360.00		
	Balaji Layout 4th Cross		1	215.00	6.00		1290.00		
	Munishamappa layout 4th Cross		1	80.00	4.50		360.00		
							3750.00	**12.72**	**47700.00**
	Basic Rate	12.00							
	Area Weightage @ 6%	0.72							
	Total	12.72							
11	KSRRB M500-19: providing and laying **bituminous concrete** 40mm thick with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desire compaction as per MORTH specification clause No. 500.9	Cum							

	complete In all respects as per specifications. MORTH specification 30-45mm compacted thicikness (GradingII) With 6% bitumen 80/100, No. 161/ Item No. 21.22.1/ PWD SR 2018-19								
	Shanubogha Narayannappa Layout								
	Port House Appt Road		1	150.00	6.00	0.04	36.00		
	parlel Road		1	140.00	6.00	0.04	33.60		
	Opp to Kalpataru Appt		1	60.00	6.00	0.04	14.40		
	Balaji Layout 4th Cross		1	215.00	6.00	0.04	51.60		
	Munishamappa layout 4th Cross		1	80.00	4.50	0.04	14.40		
							150.00	**8869.02**	**1330353.0**
	Basic Rate	8367.00							
	Area Weightage @ 6%	502.02							
	Total	8869.02							
12	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (Page No 181., I.No.24.15 of KPWD S.R 2018-19).	Sqm							
	Shanubogha Narayannappa Layout								
	Port House Appt Road		2.5	150.00	0.10		37.50		
	parlel Road		2.5	140.00	0.10		35.00		
	Opp to Kalpataru Appt		0.5	60.00	0.10		3.00		
	Balaji Layout 4th Cross		0.5	215.00	0.10		10.75		
	Munishamappa layout 4th Cross		0.5	80.00	0.10		4.00		
							90.25	**454.74**	**41040.00**
	Basic Rate	429.00							
	Area Weightage @ 6%	25.74							
	Total	454.74							
							Grand Total		**3502450.0**
	For 12% Applicable GST								**420294.00**
	For 2% PMC Charges								**70049.00**
	Miscellaneous Charges	L/S							**7207.00**
	Total								**4000000.0**

Community Hall

13	Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.PWD SR 2016-17, It. No. 4.46.2 Pg No.18	Sqm							
			Nos	**Qty**	**Kg/cum**	**Kgs**			
	For Columns @ 100 Kg/ Cum		1	2.30	100	230			
	For Beams @ 100 Kg/ Cum		1	2.3	100	230			
	For slabs @ 100 Kg/ Cum		1	10.8	100	1080			
	For Lintel @ 80 Kg/ Cum		1	1.1	80	88			
	For Staircase @ 100 Kg/ Cum		1	1.58	100	158			
						1786			
						Qtl	**17.86**	**60534.00**	**1081137.24**
	Basic Rate	56050.00							
	Area Weightage 8%	4484.00							
	Total	60534.00							
14	b) Providing and removing Centering & Shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square/rectangular / polygon in plan including cost of all materials, labour complete as per specifications.PWD SR 2016-17, It No. 4.32, Pg No.16	Sqm							
	For columns								
			4	1.06		5.00	21.20		
	Staircase side		2	1.06		7.00	14.84		
						Sqmt	**36.04**	**395.28**	**14245.89**
	Basic Rate	366.00							
	Area Weightage 8%	29.28							
	Total	395.28							
15	b) Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.46cum, with superplastisiser @3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for RCC beams, columns, roof of all sizes in foundation plinth and superstructure ground floor	Sqm							

	level for roof slabs, staircase, lintles, columns, including cost of all materials, labour, HOM of machinery, curing, complete as per specificationsPWD SR 2016-17, It No.4.13 Pg No.14.								
	For columns								
			4	0.30	0.23	5.00	1.38		
			2	0.30	0.23	7.00	0.97		
						cum	**2.35**	**6650.64**	**15602.40**
	Basic Rate	6158.00							
	Area Weightage 8%	492.64							
	Total	6650.64							
16	c) Providing and removing Centering & Shuttering, strutting, propping etc., and removal of form work for sides ands soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.PWD SR 2016-17, It No. 4.34, Pg No.17	Sqm							
	Beam centring								
	Outer beam alround		1	35.84		0.45	16.13		
	Inside		1	30.80		0.40	12.32		
	For Lintel								
	Alround		1	35.84		0.15	5.38		
	long beams		4	30.80		0.15	18.48		
						Sq m	**52.30**	**276.48**	**14461.01**
	Basic Rate	256.00							
	Area Weightage 8%	20.48							
	Total	276.48							
17	d) Providing and removing Centering & Shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications.PWD SR 2016-17, It No. 4.30, Pg No.16	Sqm							
	Slab Centering								
			1	11.60	4.50		52.20		
			1	4.50	1.82		8.19		
						Sq m	**60.39**	**414.72**	**25044.94**
	Basic Rate	384.00							

	Area Weightage 8%	30.72							
	Total	414.72							
18	Brick Masonry: a) Providing and constructing Burnt Brick masonry with approved quality of non-modular bricks of standard size of class designation 50 (Table moulded) with cement mortar 1:6 masonry for basement and super structure including cost of materials, labour charges, scaffolding, curing complete as per specifications.PWD SR 2016-17, It No.6.6 Pg No.29	Sqm							
	Long wall		1	11.60	0.23	4.00	10.67		
			1	13.50	0.23	7.00	21.74		
	Short wall		1	4.00	0.23	4.00	3.68		
			1	4.50	0.23	7.00	7.25		
	Deduction								
	Columns		-4	0.23	0.30	4.00	-1.10		
			-2	0.23	0.30	7.00	-0.97		
	Door (Half 50%)		-1	1.00	0.23	2.15	-0.25		
	W		-2	1.50	0.23	1.20	-0.83		
						cum	**40.19**	**7219.80**	**290140.30**
	Basic Rate	6685.00							
	Area Weightage 8%	534.80							
	Total	7219.80							
19	a) Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum, with superplastisiser @3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.PWD SR 2016-17, It No.4.11 Pg No.14	Sqm							
	Beams		1	13.42	0.23	0.3	0.93		
			1	11.6	0.23	0.3	0.80		
			2	4.5	0.23	0.3	0.62		
	Stair case		2	1.2	1.2	0.15	0.43		
	Steps		20	1.2	0.15	0.15	0.54		
	Landing		1	2.4	1.2	0.15	0.43		
			1	1.6	1.2	0.15	0.29		
	Slab concrete								
			1	11.60	5.40	0.15	9.40		
			1	5.40	1.82	0.15	1.47		
	For lintel								
	Long wall		1	13.42	0.23	0.15	0.46		

	Short wall		1	11.6	0.23	0.15	0.40		
	Cross wall		2	4.5	0.23	0.15	0.31		
						Cum	**16.08**	**6491.88**	**104410.66**
	Basic Rate	6011.00							
	Area Weightage 8%	480.88							
	Total	6491.88							
20	b) Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.PWD SR., 2016-17 It No.15.13, Pg No. 115	Sqm							
	Inside								
	Hall		1	30.30		4.00	121.20		
	Deductions								
	Door (Half 50%)		-1	1.00	0.23	2.15	-0.25		
	W		-2	1.50	0.23	1.20	-0.83		
						sqmt	**120.12**	**200.88**	**24130.66**
	Basic Rate	186.00							
	Area Weightage 8%	14.88							
	Total	200.88							
21	c) Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specificationsPWD SR, 2016-17, It No 15.19, Pg No.116	Sqm							
	Out side External Wall								
	Alround		1	27.70		5.00	138.50		
			1	8.37		7.00	58.59		
	Coping top		1	34.02	0.23		7.82		
	Deductions								
	Door (Half 50%)		-1	1.00	0.23	2.15	-0.25		
	W		-2	1.50	0.23	1.20	-0.83		
						sqmt	**203.84**	**252.72**	**51514.2805**
	Basic Rate	234.00							
	Area Weightage 8%	18.72							
	Total	252.72							
22	KSRB 15-3.14 Providing 12mm thick cement plaster in single coat with cement mortar 1:4 to Ceiling including rounding off corners wherever required smooth rendering, Provinding and removing scaffolding, including cost of materials, labour, curing complete as per specifications.PWD SR., 2016-17 It No.15.22, Pg No. 116	Sqm							
	For ceiling								
	Hall		1	11.15	4		44.6		
						sqm	**44.60**	**192.24**	**8573.90**

						t			
	Basic Rate	178.00							
	Area Weightage 8%	14.24							
	Total	192.24							
23	b) Providing and applying two coats with oil bound washable distermper Two Coats of distemper of approved brand and shade on Ceilling & sloped roof including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.PWD SR 2016-17, It No.15.49. Pg No.119	Sqm							
	Out side External Wall								
	Alround		1	27.70		5.00	138.50		
			1	8.37		7.00	58.59		
	Coping top		1	34.02	0.23		7.82		
	Deductions								
	Door (Half 50%)		-1	1.00	0.23	2.15	-0.25		
	W		-2	1.50	0.23	1.20	-0.83		
	For ceiling								
	Hall		1	11.15	4		44.6		
						smt	**248.44**	**76.68**	**19050.33**
	Basic Rate	71.00							
	Area Weightage 8%	5.68							
	Total	76.68							
24	c) Providing and finishing external walls in two coats with Water Proof Cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specificationsPWD SR 2016-17, It No.15.53. Pg No.120	Sqm							
	Inside								
	Hall		1	30.30		4.00	121.20		
	Deductions								
	Door (Half 50%)		-1	1.00	0.23	2.15	-0.25		
	W		-2	1.50	0.23	1.20	-0.83		
						Smt	**120.12**	**74.52**	**8951.70**
	Basic Rate	69.00							
	Area Weightage 8%	5.52							
	Total	74.52							
25	Providing and fixing Vitrified blessed tiles of approved make, quality and colour of size 600 x 600 x 10 mm thick fixed on bed of 12 thick cement mortar for flooring, Skirting and jointed with neat cement slurry mixed with figment to mach shade of tiles, including providing spacers required intervals and removing stains etc. complete as per specification. PWD SR 2016-17, It No14.44Pg.No.109	Sqm							

	Flooring								
	Hall		1	11.15	4		44.6		
	Passage		1	13.42	0.90		12.078		
						Smt	**56.68**	**1154.52**	**65435.8846**
	Basic Rate	1069.00							
	Area Weightage 8%	85.52							
	Total	1154.52							
26	b) Providing and applying two coats with oil bound washable distermper Two Coats of distemper of approved brand and shade on Ceilling & sloped roof including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.PWD SR 2016-17, It No.15.49. Pg No.119	Sqm							
	Skirting								
	Hall		1	30.30		0.10	3.03		
	Passage		1	13.42		0.10	1.342		
	Deductions								
	D		2	1.00		0.10	0.20		
						Smt	**4.57**	**1272.24**	**5816.68128**
	Basic Rate	1178.00							
	Area Weightage 8%	94.24							
	Total	1272.24							
27	a) Providing Mathi/Nandi wood frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications.PWD SR 2016-17, It No.9.12, Pg. No.53	Sqm							
	Door Pannels								
	D		2	6.20	0.13	0.07	0.101		
						cum	**0.101**	**87255.36**	**8790.98**
	Basic Rate	**80792.00**							
	Area Weightage 8%	6463.36							
	Total	87255.36							
28	b) Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 30 mm. thick with bottom and lock rails 180 mm wide top rail and styles 100 mm wide as per drawing and panels of 25 mm thick including cost of materials.PWD SR 2016-17, It No.9.21, Pg. No.54	Sqm							
	Door Pannels								
	D		1	1.00		2.10	2.10		
						Sqmt	**2.1**	**4472.28**	**9391.79**
	Basic Rate	**4141.00**							
	Area Weightage 8%	331.28							
	Total	4472.28							

29	e) Providing and fixing in position in cement concrete 1:3:6 Steel glazed windows and Ventilators side hung/top hung 2/3 openable 1/3 fixed as per approved drawings using Z angles of 25x33x3mm, weighing 1.419kg/m both for outer and inner frames and central mullion section of size 25x46x3 mm, weighing 2.28kg/m all duly providing T section 19x19x3 mm weighing 0.839kg/m for glazing of windows, not more than 34 cms, C to C including providing and fixing 4mm, thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S. 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and grinded electrically subdividing frames of unit shall be tenoneed and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corrosive paint and finishing two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour charges and HOM of machinery complete as per specifications.PWD SR 2016-17, It No.7.8, Pg No.34	Sqm							
	Steel Windows &Ventilators								
	W		2	1.50		1.20	3.60		
						Sq mt	**3.60**	**3213.00**	**11566.80**
	Basic Rate	2975.00							
	Area Weightage 8%	238.00							
	Total	3213.00							
30	Providing and fixing 304 - grade stainless steel hand rails of 14-gauge pipes for Ramps or Staircase are made out of stainless steel hallow pipes, using 50mm dia for verticals @1.60 mtr c/c are fixed to the ramps or steps by drilling with bolts and 100mm dia MS base plates 10mm gauge for fixing of Vertical pipes 4 - Nos anchor bolts & 40mm dia pipes are fixed horizontally for 2-rows top, one pipes are fixed with vertical pipes another one are fixed with elbows and 25mm dia pipes are fixed horizontally for 2-rows below top measure @ equal intervals including cutting, welding, bending wherever necessary with suitable caps @ tops, bottoms & corners finishing with mat / shining etc., complete including cost and conveyance of all materials, labour for all items of work, HOM of equipment with all lead and lift, loading and unloading, transportation charges and all other incidental charges etc., complete as per specification and directions of the Engineer-in-charge of the work. Ramps or Staircase for physically challenged.P.No. 43, I.No. 7.39 of PWD SR 2016-17	Sqm							
			1.00	13.42		1.00	13.42		
						Sq mt	**13.42**	**4861.08**	**65235.69**

Basic Rate	4501.00							
Area Weightage 8%	360.08							
Total	4861.08							

Sub total	**1823501.13**
Add 7.5% for Electrical works	**136762.585**
Total to Rs	**1960263.72**
For 2% PMC Charges	**39205.2744**
Miscellaneous Charges	**531.01**
Total	**2000000.00**
2% PMC Charges (For both)	**70580**
Miscellaneous Charges (For both)	**7738**
Grand Total	**6000000.00**

Technical Sanction
Accorded For Rs 60:00 lacs only
Head of A/C... P:3409...
CER NO :..316..... Dt:07.03.2019

TA CE (YNK)

Name of work: Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar and surrounding area in ward no. 08.

			Estimate Cost Rs.					2000000.00	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	Removing and resetting footpath slab (P.no.256,I no.37.56 of pw, P&IWTDd SR 2018/19)	Cum							
	Kannamma Temple Main Road		2	295.00		0.35	206.50		
	Lottagollahalli 13th Cross		2	150.00		0.30	90.00		
	Lottagollahalli 11th Cross		2	170.00		0.30	102.00		
							398.50	**208.82**	**83215.00**
	Basic Rate	197.00							
	Area Weightage @ 6%	11.82							
	Total	208.82							
2	KSRRB 300-1. Earth work **excavation** by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 143/ Item No. 19.1/ PWD SR 2018-19	Cum							
	Bhadrappa Layout								
	Maruthinagara 13th Cross		20	2.00	1.50	0.23	13.80		
	Maruthinagara 3rd Cross		7	1.50	1.00	0.23	2.42		
	Kannamma Temple Main Road		40	1.00	1.50	0.23	13.80		
	Bhadrappa layout 2nd Cross maruthinagara		4	2.00	1.50	0.23	2.76		
	Lottagollahalli 13th Cross		13	1.50	1.50	0.23	6.73		
	Lottagollahalli 11th Cross		15	1.50	1.00	0.23	5.18		
							44.68	**137.80**	**6157.00**
	Basic Rate	130.00							
	Area Weightage @ 6%	7.80							
	Total	137.80							
8	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406,P No. 155/ Item No. 20.18/ PWD SR 2018-19	Cum							
	Bhadrappa Layout								
	Maruthinagara 13th Cross		20	2.00	1.50	0.23	13.80		
	Maruthinagara 3rd Cross		7	1.50	1.00	0.23	2.42		
	Kannamma Temple Main Road		40	1.00	1.50	0.23	13.80		
	Bhadrappa layout 2nd Cross maruthinagara		4	2.00	1.50	0.23	2.76		

	Lottagollahalli 13th Cross		13	1.50	1.50	0.23	6.73		
	Lottagollahalli 11th Cross		15	1.50	1.00	0.23	5.18		
							44.68	**2001.28**	**89412.00**
	Basic Rate	1888.00							
	Area Weightage @ 6%	113.28							
	Total	2001.28							
9	KSRRB 500-4: providing and applying **primer coat** from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specificationsDo- Medium Porosity MORTH chapter 5, No. 158/ Item No. 21.6/ PWD SR 2018-19	Sqm							
	Bhadrappa Layout						0.00		
	Maruthinagara 13th Cross		20	2.00	1.50		60.00		
	Maruthinagara 3rd Cross		7	1.50	1.00		10.50		
	Kannamma Temple Main Road		40	1.00	1.50		60.00		
	Bhadrappa layout 2nd Cross maruthinagara		4	2.00	1.50		12.00		
	Lottagollahalli 13th Cross		13	1.50	1.50		29.25		
	Lottagollahalli 11th Cross		15	1.50	1.00		22.50		
							194.25	**36.04**	**7001.00**
	Basic Rate	34.00							
	Area Weightage @ 6%	2.04							
	Total	36.04							
10	KSRRB M500-10. Tack Coat:- Providing and applying **tack coat** using 80/100 grade bitumen (VG 10) in boiler fitted with spray set distributor at the rate of 0.20 kg per sqm on the existing prepared bituminous surface cleaned with mechancial broom. complete as per specifications. MORTH Specification No. 503 (P-159, Item.no 21.10).								
	Bhadrappa Layout								
	Maruthinagara 13th Cross		1	110.00	6.00		660.00		
	Maruthinagara 3rd Cross		1	35.00	4.00		140.00		
	Kannamma Temple Main Road		1	295.00	6.00		1770.00		
	Bhadrappa layout 2nd Cross maruthinagara		1	45.00	4.50		202.50		
	Lottagollahalli 13th Cross		1	150.00	4.50		675.00		
	Lottagollahalli 11th Cross		1	170.00	4.50		765.00		
							4212.50	**12.72**	**53583.00**
	Basic Rate	12.00							
	Area Weightage @ 6%	0.72							
	Total	12.72							

11	KSRRB M500-19: providing and laying **bituminous concrete** 40mm thick with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desire compaction as per MORTH specification clause No. 500.9 complete In all respects as per specifications. MORTH specification 30-45mm compacted thicikness (GradingII) With 6% bitumen 80/100, No. 161/ Item No. 21.22.1/ PWD SR 2018-19	Cum							
	Bhadrappa Layout								
	Maruthinagara 13th Cross		1	110.00	6.00	0.04	26.40		
	Maruthinagara 3rd Cross		1	35.00	4.00	0.04	5.60		
	Kannamma Temple Main Road		1	295.00	6.00	0.04	70.80		
	Bhadrappa layout 2nd Cross maruthinagara		1	45.00	4.50	0.04	8.10		
	Lottagollahalli 13th Cross		1	150.00	4.50	0.04	27.00		
	Lottagollahalli 11th Cross		1	170.00	4.50	0.04	30.60		
							168.50	**8869.02**	**1494430.00**
	Basic Rate	8367.00							
	Area Weightage @ 6%	502.02							
	Total	8869.02							
12	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (Page No 181., I.No.24.15 of KPWD S.R 2018-19).	Sqm							
	Bhadrappa Layout								
	Maruthinagara 13th Cross		0.5	110.00	0.10		5.50		
	Maruthinagara 3rd Cross		0.5	35.00	0.10		1.75		
	Kannamma Temple Main Road		0.5	295.00	0.10		14.75		
	Bhadrappa layout 2nd Cross maruthinagara		0.5	45.00	0.10		2.25		
	Lottagollahalli 13th Cross		0.5	150.00	0.10		7.50		
	Lottagollahalli 11th Cross		0.5	170.00	0.10		8.50		
							40.25	**454.74**	**18303.00**
	Basic Rate	429.00							
	Area Weightage @ 6%	25.74							
	Total	454.74							

							Grand Total		1752101.00
13	For 12% Applicable GST								210252.00
14	For 2% PMC Charges								35042.00
15	Miscellaneous Charges	L/S							2605.00
									2000000.00

"School building"

16	Earth work excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.PWD SR 2016-17 It No.2.4 Pg. No.6	Sqm							
	For Columns		9	1.50	1.50	1.00	20.25		
	Long wall		3	15.00	0.90	1.05	42.53		
	Short wall		3	6.50	0.90	1.05	18.43		
	Deduction								
	For Columns		-9	1.00	1.00	0.90	-8.10		
						cum	**73.10**	**305.64**	**22343.05**
	Basic Rate	283.00							
	Area Weightage 8%	22.64							
	Total	305.64							
17	b) Providing and laying in position Plain Cement Concrete of mix M10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, concrete laid in layers not exceeding 15 cms. thick well compacted, in foundation and plinth, cost of all materials, labour, HOM of machinery, curing complete as per specifications. PWD SR 2016-17, It No.4.2, Pg No.-13	Sqm							
	For Columns		9	1.50	1.50	0.15	3.04		
	Long wall		3	14.90	0.90	0.15	6.03		
	Short wall		3	6.50	0.90	0.15	2.63		
	For stair case		1	1.50	1.50	0.15	0.34		
	Deduction								
	For Columns		-9	1.00	1.00	0.15	-1.35		
	Basic Rate	5046.00				**cum**	**10.69**	**5449.68**	**58267.98**
	Area Weightage 8%	403.68							
	Total	5449.68							

18	a) Providing and constructing granite/trap/basalt Size stone masonry in foundation with cement mortar 1:6 stone hammer dressed in courses not less than 20cms high, bond stones at two mtr apart in each course including cost of materials, labour curing complete as per specifications.PWD SR 2016-17. It No.5.5, Pg No.25	Sqm							
	1st footing								
	Long wall		3	14.75	0.75	0.45	14.93		
	Short wall		3	6.65	0.75	0.45	6.73		
	For stair case		1	1.20	1.20	0.45	0.65		
	Deduction for columns								
			-9	0.20	0.20	0.45	-0.16		
	2st footing								
	Long wall		3	14.60	0.60	0.40	10.51		
	Short wall		3	6.80	0.60	0.40	4.90		
	Deduction for columns								
			-9	0.30	0.23	0.40	-0.25		
						cum	**37.31**	**4359.96**	**162683.62**
	Basic Rate	4037.00							
	Area Weightage 8%	322.96							
	Total	4359.96							
19	b) Providing and constructing granite/trap/basalt size stone masonry in super structure with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two mtr apart in each course including cost of materials, labour, curing complete as per specifications.PWD SR 2016-17. It No.5.12, Pg No.25	Sqm							
	Long wall		3	14.45	0.45	0.45	8.78		
	Short wall		3	6.95	0.45	0.45	4.22		
	Deduction for columns								
			-9	0.30	0.23	0.45	-0.28		
						cum	**12.72**	**5668.92**	**72114.61**
	Basic Rate	5249.00							
	Area Weightage 8%	419.92							
	Total	5668.92							
20	a) Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum, with superplastisiser @3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or	Sqm							

	lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.PWD SR 2016-17, It No.4.11 Pg No.14								
	Footing		9	1.30	1.20	0.30	4.21		
	Plinth beam								
	long wall		3	14.00	0.23	0.30	2.90		
	Short wall		3	6.94	0.23	0.30	1.44		
	For lintel								
	Long wall		3	14	0.23	0.15	1.45		
	Short wall		3	6.94	0.23	0.15	0.72		
	For Chejja								
	W1		4	1.80	0.60		4.32		
	Beams								
	Long beams		3	14.00	0.23	0.40	3.86		
	Short beams		3	6.94	0.23	0.40	1.92		
	Stair case		2	1.2	1.2	0.15	0.432		
	Steps		20	1.2	0.15	0.2	0.72		
	Landing		1	2.4	1.2	0.15	0.432		
			1	1.6	1.2	0.2	0.384		
	Slab concrete								
			1	14.00	7.40	0.15	15.54		
						cum	**38.32**	**6491.88**	**248764.36**
	Basic Rate	6011.00							
	Area Weightage 8%	480.88							
	Total	6491.88							
21	b) Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.46cum, with superplastisiser @3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for RCC beams, columns, roof of all sizes in foundation plinth and superstructure ground floor level for roof slabs, staircase, lintles, columns, including cost of all materials, labour, HOM of machinery, curing, complete as per specificationsPWD SR 2016-17, It No.4.13 Pg No.14.	Sqm							
	Columns		9	0.20	0.20	6.00	2.16		
						cum	**2.16**	**6650.64**	**14365.38**
	Basic Rate	6158.00							

	Basic Rate	366.00							
	Area Weightage 8%	29.28							
	Total	395.28							
25	c) Providing and removing Centering & Shuttering, strutting, propping etc., and removal of form work for sides ands soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.PWD SR 2016-17, It No. 4.34, Pg No.17	Sqm							
	Beam centring								
	Outer beam alround		1	42.80		0.55	23.54		
	long beams		4	35.00		0.40	56.00		
	Short beams		4	6.94		0.40	11.10		
	For Lintel								
	Alround		1	42.80		0.15	6.42		
	long beams		4	35.00		0.15	21.00		
	Short beams		4	6.94		0.15	4.16		
	Lintel bottom								
	D		2	1.80		0.23	0.83		
	W		4	1.50		0.23	1.38		
						Sq m	**124.44**	**276.48**	**34404.07**
	Basic Rate	256.00							
	Area Weightage 8%	20.48							
	Total	276.48							
26	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. PWD SR 2016-17, It No. 4.37, Pg No.17	Sqm							
	For Chajja								
	W		4	1.80		0.60	4.32		
	Side centering								
	W		8	0.60		0.10	0.48		
			4	1.80		0.10	0.72		
						Sq m	**5.52**	**291.60**	**1609.63**
	Basic Rate	270.00							
	Area Weightage 8%	21.60							
	Total	291.60							
27	d) Providing and removing Centering & Shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications.PWD SR 2016-17, It No. 4.30, Pg No.16	Sqm							
	Slab Centering								
			1	13.31	6.71		89.31		
	For stair case								
	Landing		3	1.20		0.15	0.54		

	Base		1	2.40	1.20		2.88		
	sides		2	2.40		0.30	2.59		
	Risers		20	1.20		0.20	69.12		
	mid Landing		2	1.20		0.20	6.22		
						Sq m	**170.66**	**414.72**	**70777.32**
	Basic Rate	384.00							
	Area Weightage 8%	30.72							
	Total	414.72							
28	Brick Masonry: a) Providing and constructing Burnt Brick masonry with approved quality of non-modular bricks of standard size of class designation 50 (Table moulded) with cement mortar 1:6 masonry for basement and super structure including cost of materials, labour charges, scaffolding, curing complete as per specifications.PWD SR 2016-17, It No.6.6 Pg No.29	Sqm							
	Long wall		2	14.00	0.23	3.60	23.18		
	Short wall		2	6.94	0.23	3.60	11.49		
	Column At Passage		4	0.23	0.23	4.00	0.85		
	Deduction								
	D		-2	1.80	0.23	2.10	-1.74		
	W		-4	1.50	0.23	1.20	-1.66		
						cum	**32.13**	**7219.80**	**231959.47**
	Basic Rate	6685.00							
	Area Weightage 8%	534.80							
	Total	7219.80							
29	(b) Construction of partition wall 11.2 cms thick with non-modular ground moulded burnt bricks of class designation 35 with cement mortar 1:4 including cost of materials, labour charges, scaffolding, curing complete as per specifications.PWD SR 2016-17, It No.6.25, Pg No.31	Sqm							
	Parapet wall								
	Long wall		1	14.00	0.23	0.90	2.90		
	Short wall		2	6.94	0.23	0.90	2.87		
						Smt	**5.77**	**900.72**	**5198.20**
	Basic Rate	834.00							
	Area Weightage 8%	66.72							
	Total	900.72							
30	b) Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.PWD SR., 2016-17 It No.15.13, Pg No. 115	Sqm							
	Inside								
	Room 1&2		2	22.58		4.00	180.64		
	Deductions								

	D		-1	1.80		2.10	-3.78		
	W		-2	1.50		1.20	-3.60		
						sqmt	**173.26**	**200.88**	**34804.47**
	Basic Rate	186.00							
	Area Weightage 8%	14.88							
	Total	200.88							
31	c) Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specificationsPWD SR, 2016-17, It No 15.19, Pg No.116	Sqm							
	Out side External Wall								
	Alround		1	42.80		4.85	207.58		
	For passage columns		4	0.23		4.00	3.68		
	Deductions								
	D		-1	1.800		2.10	-3.78		
	W		-2	1.500		1.20	-3.60		
						sqmt	**203.88**	**252.72**	**51524.55**
	Basic Rate	234.00							
	Area Weightage 8%	18.72							
	Total	252.72							
32	KSRB 15-3.14 Providing 12mm thick cement plaster in single coat with cement mortar 1:4 to Ceiling including rounding off corners wherever required smooth rendering, Provinding and removing scaffolding, including cost of materials, labour, curing complete as per specifications.PWD SR., 2016-17 It No.15.22, Pg No. 116	Sqm							
	For ceiling								
	Room 1&2		1	6.65	4.64		30.856		
						sqmt	**30.86**	**192.24**	**5931.76**
	Basic Rate	178.00							
	Area Weightage 8%	14.24							
	Total	192.24							
33	b) Providing and applying two coats with oil bound washable distermper Two Coats of distemper of approved brand and shade on Ceilling & sloped roof including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.PWD SR 2016-17, It No.15.49. Pg No.119	Sqm							
	Out side External Wall								
	Alround		1	42.80		4.85	207.58		
	Deductions								

	D		-1	1.800		2.10	-3.78		
	W		-2	1.500		1.20	-3.60		
	For ceiling								
	Room 1&2		1	6.65	4.64		30.856		
						smt	**231.06**	**76.68**	**17717.37**
	Basic Rate	71.00							
	Area Weightage 8%	5.68							
	Total	76.68							
34	c) Providing and finishing external walls in two coats with Water Proof Cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specificationsPWD SR 2016-17, It No.15.53. Pg No.120	Sqm							
	In side External Wall								
	Room 1&2		2	22.58		4.00	180.64		
	Deductions								
	D		-1	1.80		2.10	-3.78		
	W		-2	1.50		1.20	-3.60		
						Smt	**173.26**	**74.52**	**12911.34**
	Basic Rate	69.00							
	Area Weightage 8%	5.52							
	Total	74.52							
35	Providing and fixing Vitrified blessed tiles of approved make, quality and colour of size 600 x 600 x 10 mm thick fixed on bed of 12 thick cement mortar for flooring, Skirting and jointed with neat cement slurry mixed with figment to mach shade of tiles, including providing spacers required intervals and removing stains etc. complete as per specification. PWD SR 2016-17, It No14.44Pg.No.109	Sqm							
	Flooring								
	Hall		1	6.65	4.64		30.856		
	Passage		1	14.00	2.30		32.2		
						Smt	**63.06**	**1154.52**	**72799.41**
	Basic Rate	1069.00							
	Area Weightage 8%	85.52							
	Total	1154.52							
36	Providing skirting, dadoing, rises of steps with white glazed tiles on 6mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazedtiles of approved make and size including cost of materials, labour, complete as per specifications. PWD SR 2016-17, It No14.36.4 Pg.No.108	Sqm							
	Skirting								
	Room 1&2		2	22.58		0.10	4.52		
	Passage		1	14.00		0.10	1.4		
	Stair case								

	Waist slab		1	1.20	2.40		2.88		
	Risers		20	1.20		0.20	4.8		
	Treads		21	1.20	0.30		7.56		
	Sides		20	0.03			0.6		
	Landing sides		2	1.20		0.20	0.48		
	Deductions						0.00		
	D		2	1.80		0.10	0.36		
						Smt	**22.60**	**1272.24**	**28747.54**
	Basic Rate	1178.00							
	Area Weightage 8%	94.24							
	Total	1272.24							
37	a) Providing Mathi/Nandi wood frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications.PWD SR 2016-17, It No.9.12, Pg. No.53	Sqm							
	Door Frames								
	D		2	7.80	0.13	0.07	0.127		
						cum	**0.127**	**87255.36**	**11059.62**
	Basic Rate	**80792.00**							
	Area Weightage 8%	6463.36							
	Total	87255.36							
38	b) Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 30 mm. thick with bottom and lock rails 180 mm wide top rail and styles 100 mm wide as per drawing and panels of 25 mm thick including cost of materials.PWD SR 2016-17, It No.9.21, Pg. No.54	Sqm							
	Door Pannels								
	D		1	1.80		2.10	3.78		
						Sqmt	**3.78**	**4472.28**	**16905.22**
	Basic Rate	**4141.00**							
	Area Weightage 8%	331.28							
	Total	4472.28							

39	e) Providing and fixing in position in cement concrete 1:3:6 Steel glazed windows and Ventilators side hung/top hung 2/3 openable 1/3 fixed as per approved drawings using Z angles of 25x33x3mm, weighing 1.419kg/m both for outer and inner frames and central mullion section of size 25x46x3 mm, weighing 2.28kg/m all duly providing T section 19x19x3 mm weighing 0.839kg/m for glazing of windows, not more than 34 cms, C to C including providing and fixing 4mm, thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S. 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and grinded electrically subdividing frames of unit shall be tenoneed and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corrosive paint and finishing two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour charges and HOM of machinery complete as per specifications.PWD SR 2016-17, It No.7.8, Pg No.34	Sqm							
	Steel Windows &Ventilators								
	W		4	1.50		1.20	7.20		
						Sqmt	7.20	3213.00	23133.60
	Basic Rate	2975.00							
	Area Weightage 8%	238.00							
	Total	3213.00							
								Sub total	**3189503.96**
	Add 7.5% for Electrical works								**239212.797**
	Total to Rs								**3428716.75**
	For 2% PMC Charges								**68574.335**
	Miscellaneous Charges								**2708.91**
	Total								**3500000.00**
								2% PMC Charges (For both)	**103616**
								Miscellaneous Charges (For both)	**5314**
	Grand Total								**5500000.00**

Technical Sanction
Accorded For RS 55 solarcheanly
Head of A/C P-3409
CER NO : 315 Dt: 07.03.2019

TA CE (YNK)

Name of work: Improvements to Roads and Drains in BEL Layout, HMT Layout, Rajivagandhi Nagar (NTI), Thindhu and surrounding in ward No. 09

							Estimate Cost Rs.		12700000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	**Removing and resetting footpath** slab (P.no.270,I no.37.56 of pw, P&IWTDd SR 2018/19)	Sqm							
	BEL Layout 1st Block 1st main Road		2	440.00		0.30	264.00		
	BEL Layout 1st Block 2nd Main Road		2	390.00		0.30	234.00		
	BEL Layout 3rd Block 4th main Road		2	440.00		0.30	264.00		
	BEL Layout 3rd Block 5th main Road		2	390.00		0.30	234.00		
	BEL Layout 1st and 2nd Block 13th Cross Road (Only overlay)		2	400.00		0.30	240.00		
							1236.00	**208.82**	**258102.00**
	Basic Rate	197.00							
	Area Weightage @ 6%	11.82							
	Total	**208.82**							
2	KSRRB 300-1. **Earth work excavation** by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3.P No. 143/ Item No. 19.1/ PWD SR 2018-19	Cum							
	BEL Layout 1st Block 1st main Road (RHS-1.625mtr & LHS-1.625mtr)		1	440.00	3.25	0.30	429.00		
	BEL Layout 1st Block 2nd Main Road (RHS-2mtr & LHS-1.5mtr)		1	390.00	3.50	0.30	409.50		
	BEL Layout 3rd Block 4th main Road (RHS-1mtr & LHS-2mtr)		1	440.00	3.00	0.30	396.00		
	BEL Layout 3rd Block 5th main Road (RHS-1.5mtr & LHS-2mtr)		1	390.00	3.50	0.30	409.50		
							1644.00	**137.80**	**226543.00**
	Basic Rate	130.00							
	Area Weightage @ 6%	7.80							
	Total	**137.80**							
3	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406,P No. 155/ Item No. 20.18/ PWD SR 2018-19	Cum							
	For Road Cutting Protion								

	BEL Layout 1st Block 1st main Road (RHS-1.625mtr & LHS-1.625mtr)		1	440.00	3.25	0.23	328.90		
	BEL Layout 1st Block 2nd Main Road (RHS-2mtr & LHS-1.5mtr)		1	390.00	3.50	0.23	313.95		
	BEL Layout 3rd Block 4th main Road (RHS-1mtr & LHS-2mtr)		1	440.00	3.00	0.23	303.60		
	BEL Layout 3rd Block 5th main Road (RHS-1.5mtr & LHS-2mtr)		1	390.00	3.50	0.23	313.95		
							1260.40	**2001.28**	**2522413.00**
	Basic Rate	1888.00							
	Area Weightage @ 6%	113.28							
	Total	**2001.28**							
4	KSRRB 500-4: providing and applying **primer coat** from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specificationsDo- Medium Porosity MORTH chapter 5, No. 158/ Item No. 21.6/ PWD SR 2018-19	Sqm							
	BEL Layout 1st Block 1st main Road (RHS-1.625mtr & LHS-1.625mtr)		1	440.00	3.25		1430.00		
	BEL Layout 1st Block 2nd Main Road (RHS-2mtr & LHS-1.5mtr)		1	390.00	3.50		1365.00		
	BEL Layout 3rd Block 4th main Road (RHS-1mtr & LHS-2mtr)		1	440.00	3.00		1320.00		
	BEL Layout 3rd Block 5th main Road (RHS-1.5mtr & LHS-2mtr)		1	390.00	3.50		1365.00		
							5480.00	**36.04**	**197499.00**
	Basic Rate	34.00							
	Area Weightage @ 6%	2.04							
	Total	**36.04**							
	KSRRB 500-11. Providing and laying **bituminous macadam** on Prepared Surface with crushed Coarse aggregates as per Design mix formulae for base/binding course including loading of aggregates with F.E loader,Hot mixing of Stone aggregates and bitumen in Hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve desired density, but excluding cost of primer/Tack coat including lead, lift and cost of all materials, labour HOM of machinaries complete as per Specifications. MORTH Ch 5. using 40/60 TPH capacity HMP with Mechanical paver Gr-II (50mm - 75mm) with 3.4% VG-30 bitumen. Item no:21.11.6								
	BEL Layout 1st Block 1st main Road (RHS-1.625mtr & LHS-1.625mtr)		1	440.00	3.25	0.050	71.50		

	BEL Layout 1st Block 2nd Main Road (RHS-2mtr & LHS-1.5mtr)		1	390.00	3.50	0.050	68.25		
	BEL Layout 3rd Block 4th main Road (RHS-1mtr & LHS-2mtr)		1	440.00	3.00	0.050	66.00		
	BEL Layout 3rd Block 5th main Road (RHS-1.5mtr & LHS-2mtr)		1	390.00	3.50	0.050	68.25		
							274.00	**6172.38**	**1691232.00**
	Basic Rate	5823.00							
	Area Weightage @ 6%	349.38							
	Total	**6172.38**							
5	KSRRB M500-10. Tack Coat:- Providing and applying **tack coat** using 80/100 grade bitumen (VG 10) in boiler fitted with spray set distributor at the rate of 0.20 kg per sqm on the existing prepared bituminous surface cleaned with mechancial broom. complete as per specifications. MORTH Specification No. 503 (P-159, Item.no 21.10).	**Sqm**							
	BEL Layout 1st Block 1st main Road (RHS-1.625mtr & LHS-1.625mtr)		1	440.00	7.00		3080.00		
	BEL Layout 1st Block 2nd Main Road (RHS-2mtr & LHS-1.5mtr)		1	390.00	8.50		3315.00		
	BEL Layout 3rd Block 4th main Road (RHS-1mtr & LHS-2mtr)		1	440.00	11.00		4840.00		
	BEL Layout 3rd Block 5th main Road (RHS-1.5mtr & LHS-2mtr)		1	390.00	8.50		3315.00		
	BEL Layout 1st and 2nd Block 13th Cross Road (Only overlay)		1	400.00	5.00		2000.00		
							16550.00	**12.72**	**210516.00**
	Basic Rate	12.00							
	Area Weightage @ 6%	0.72							
	Total	**12.72**							
6	KSRRB M500-19: providing and laying **bituminous concrete** 40mm thick with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desire compaction as per MORTH specification clause No. 500.9 complete In all respects as per specifications. MORTH specification 30-45mm compacted thicikness (GradingII) With 6% bitumen 80/100, No. 161/ Item No. 21.22.1/ PWD SR 2018-19	**Cum**							
	BEL Layout 1st Block 1st main Road (RHS-1.625mtr & LHS-1.625mtr)		1	440.00	7.00	0.040	123.20		
	BEL Layout 1st Block 2nd Main Road (RHS-2mtr & LHS-1.5mtr)		1	390.00	8.50	0.040	132.60		
	BEL Layout 3rd Block 4th main Road (RHS-1mtr & LHS-2mtr)		1	440.00	11.00	0.040	193.60		
	BEL Layout 3rd Block 5th main Road		1	390.00	8.50	0.040	132.60		

	(RHS-1.5mtr & LHS-2mtr)								
	BEL Layout 1st and 2nd Block 13th Cross Road (Only overlay)		1	400.00	5.00	0.040	80.00		
							662.0		**5871291.00**
	Basic Rate	8367.00							
	Area Weightage @ 6%	502.02							
	Total	**8869.02**							
7	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (Page No 181., I.No.24.15 of KPWD S.R 2015-16).	Sqm							
	BEL Layout 1st Block 1st main Road (RHS-1.625mtr & LHS-1.625mtr)		0.5	440.00	0.10		22.00		
	BEL Layout 1st Block 2nd Main Road (RHS-2mtr & LHS-1.5mtr)		2.5	390.00	0.10		97.50		
	BEL Layout 3rd Block 4th main Road (RHS-1mtr & LHS-2mtr)		2.5	440.00	0.10		110.00		
	BEL Layout 3rd Block 5th main Road (RHS-1.5mtr & LHS-2mtr)		2.5	390.00	0.10		97.50		
	BEL Layout 1st and 2nd Block 13th Cross Road (Only overlay)		0.5	400.00	0.10		20.00		
							347.00	**454.74**	**157795.00**
	Basic Rate	429.00							
	Area Weightage @ 6%	25.74							
	Total	**454.74**							
							Grand Total		**11135391.00**
8	For 12% Applicable GST								**1336247.00**
9	For 2% PMC Charges								**222708.00**
10	Miscellaneous Charges	L/S							**5654.00**
									12700000.00

Technical Sanction
Accorded For BS127 alreadey only
Head of A/C P-3111
CER NO :314 Dt:07.03.2019

TA CE (YNK)